

Mari DeMarco, University of British Columbia, Canada, Subgroup Chair

Molecular Biophysics Subgroup 2014 Symposium

Saturday, February 15, 2014

San Francisco, California

Biomedical Applications of Mass Spectrometry

9:00 AM, Lisa Jones, Indiana University - Purdue University Indianapolis

Fast Photochemical Oxidation of Proteins (FPOP) for the Characterization of Macromolecules

9:30 AM, S. Walter Englander, University of Pennsylvania

Protein Hydrogen Exchange Measured by Mass Spectrometry

10:00 AM, Lars Konermann, University of Western Ontario, Canada

Protein Folding and Binding Characterized by Mass Spectrometry

10:30 AM, Coffee Break

10:45 AM, Subgroup Business Meeting

11:00 AM, Michael Roukes, California Institute of Technology

Single-Molecule Mass Spectrometry Enabled by Nanoelectromechanical Systems

11:30 AM, Justin Benesch, University of Oxford, United Kingdom

Native Mass Spectrometry for Structural Biophysics

12:00 PM, Sarah Trimpin, Wayne State University

A Novel Soft Ionization Process and Applications in Imaging Mass Spectrometry

12:30 PM, Surendra Dasari, Mayo Clinic

Tissue Shotgun Proteomics: Applications to the Clinical Laboratory

1:00 PM, Concluding remarks